

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

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|------------------------|------------------------------|
| Application Number | 09/777,002 |
| Filing Date | February 5, 2001 |
| First Named Inventor | Gregory Hagan Moulton et al. |
| Art Unit | 2151 |
| Examiner Name | Hassan A. Phillips |
| Attorney Docket Number | 16192.76.3 |

U.S. PATENTS

| Examiner Initials* | Cite No. | Patent Number | Issue Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|----------|---------------|------------|---|---|
| | 1 | 4404676 | 09/1983 | DeBenedictis | |
| | 2 | 4694396 | 09/1987 | Weisshaar et al. | |
| | 3 | 4814984 | 03/1989 | Thompson | |
| | 4 | 4929946 | 05/1990 | O'Brien et al. | |
| | 5 | 5016009 | 05/14/1991 | Whiting et al. | |
| | 6 | 5126739 | 06/30/1992 | Whiting et al. | |
| | 7 | 5130992 | 07/14/1992 | Frey, Jr. et al. | |
| | 8 | 5140321 | 08/18/1992 | Jung | |
| | 9 | 5153986 | 10/1992 | Brauer et al. | |
| | 10 | 5202982 | 04/13/1993 | Gramlich et al. | |
| | 11 | 5278838 | 01/11/1994 | Ng et al. | |
| | 12 | 5281967 | 01/25/1994 | Jung | |
| | 13 | 5406279 | 04/11/1995 | Anderson et al. | |
| | 14 | 5485474 | 01/1996 | Rabin | |
| | 15 | 5488731 | 01/30/1996 | Mendelsohn | |
| | 16 | 5521597 | 05/1996 | Dimitri | |
| | 17 | 5532694 | 07/1996 | Mayers et al. | |
| | 18 | 5608801 | 03/04/1997 | Aiello et al. | |
| | 19 | 5689678 | 11/1997 | Stallmo et al. | |
| | 20 | 5742811 | 04/1998 | Agrawal et al. | |
| | 21 | 5793869 | 08/1998 | Clafin, Jr. | |
| | 22 | 5805804 | 09/1998 | Laursen et al. | |
| | 23 | 5826001 | 10/1998 | Lubbers et al. | |
| | 24 | 5831558 | 11/03/1998 | Harvell | |
| | 25 | 5832222 | 11/1998 | Dziadosz | |
| | 26 | 5842224 | 11/1998 | Fenner | |
| | 27 | 5850565 | 12/15/1998 | Wightman | |
| | 28 | 5870474 | 02/1999 | Wasilewski et al. | |

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| | | | | |
|----|---------|------------|-----------------|--|
| 29 | 5909677 | 06/1999 | Broder et al. | |
| 30 | 5915024 | 06/1999 | Kitaori et al. | |
| 31 | 5933104 | 08/1999 | Kimura | |
| 32 | 5933592 | 08/1999 | Lubbers et al. | |
| 33 | 5943443 | 08/1999 | Itonori et al. | |
| 34 | 5974506 | 10/1999 | Sicola et al. | |
| 35 | 5990810 | 11/23/1999 | Williams | |
| 36 | 5996089 | 11/30/1999 | Mann et al. | |
| 37 | 6000020 | 12/07/1999 | Chin et al. | |
| 38 | 6021409 | 02/2000 | Burrows | |
| 39 | 6021491 | 02/2000 | Renaud et al. | |
| 40 | 6044220 | 03/2000 | Breternitz, Jr. | |
| 41 | 6065008 | 05/2000 | Simon et al. | |
| 42 | 6128762 | 10/30/2000 | Jadav et al. | |
| 43 | 6141421 | 10/2000 | Takaragi et al. | |
| 44 | 6148414 | 11/2000 | Brown et al. | |
| 45 | 6151659 | 11/2000 | Solomon et al. | |
| 46 | 6170744 | 01/2001 | Lee et al. | |
| 47 | 6199099 | 03/2001 | Gershman et al. | |
| 48 | 6199179 | 03/2001 | Kauffman et al. | |
| 49 | 6219423 | 04/2001 | Davis | |
| 50 | 6230155 | 02/2001 | Broder et al. | |
| 51 | 6268809 | 07/2001 | Saito | |
| 52 | 6351838 | 02/2002 | Amelia | |
| 53 | 6356979 | 03/2002 | Sicola et al. | |
| 54 | 6374250 | 04/2002 | Ajtai et al. | |
| 55 | 6377907 | 04/2002 | Waclawski | |
| 56 | 6393473 | 05/2002 | Chu | |
| 57 | 6463454 | 10/2002 | Lumelsky et al. | |
| 58 | 6535894 | 03/2003 | Schmidt et al. | |
| 59 | 6549943 | 04/2003 | Spring | |

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| | | | | |
|----|---------|------------|------------------|--|
| 60 | 6553494 | 04/2003 | Glass | |
| 61 | 6571354 | 05/2003 | Parks et al. | |
| 62 | 6611213 | 08/2003 | Bentley et al. | |
| 63 | 6643795 | 11/2003 | Sicola et al. | |
| 64 | 6654831 | 11/2003 | Otterness et al. | |
| 65 | 6667700 | 12/2003 | McCanne et al. | |
| 66 | 6671358 | 12/2003 | Seidman et al. | |
| 67 | 6704730 | 03/09/2004 | Moulton et al. | |
| 68 | 6754181 | 06/2004 | Elliott et al. | |
| 69 | 6760330 | 07/2004 | Tahan | |
| 70 | 6779030 | 08/2004 | Dugan et al | |
| 71 | 6802068 | 10/2004 | Guruprasad | |
| 72 | 6810398 | 10/26/2004 | Moulton | |
| 73 | 6826690 | 11/2004 | Hind et al. | |
| 74 | 6826711 | 11/30/2004 | Moulton et al. | |
| 75 | 6828925 | 12/2004 | McCanne et al. | |
| 76 | 6839827 | 01/2005 | Beardsley et al. | |
| 77 | 6961009 | 11/2005 | McCanne et al. | |
| 78 | 6970434 | 11/2005 | Mahany et al. | |
| 79 | 7000143 | 02/14/2006 | Moulton et al. | |
| 80 | 7062648 | 06/13/2006 | Moulton et al. | |
| 81 | 7116249 | 10/2006 | McCanne et al. | |
| 82 | 7194504 | 03/20/2007 | Moulton | |
| 83 | 7272602 | 09/18/2007 | Moulton | |

U.S. PATENT APPLICATION PUBLICATIONS

| Examiner Initials* | Cite No. | Publication Number | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|----------|--------------------|------------------|---|---|
| | 1 | 20010052024 | 12/2001 | Devarakonda et al. | |
| | 2 | 20020029319 | 03/2002 | Robbins et al. | |
| | 3 | 20020035667 | 03/2002 | Bruning III et al. | |
| | 4 | 20020059539 | 05/2002 | Anderson et al. | |

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| | | | | |
|----|-------------|------------|-----------------|--|
| 5 | 20020194209 | 12/2002 | Bolosky et al. | |
| 6 | 20020194484 | 12/2002 | Bolosky et al. | |
| 7 | 20040148306 | 07/29/2004 | Moulton et al. | |
| 8 | 20040162808 | 08/2004 | Margolus et al. | |
| 9 | 20050091234 | 04/2005 | Hsu et al. | |
| 10 | 20050120137 | 06/02/2005 | Moulton | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. | Foreign Patent Document | Country Code | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ¹ |
|--------------------|----------|-------------------------|--------------|------------------|---|---|--------------------------|
| | 1 | EP 0947932 | EPO | 10/06/1999 | Mitsubishi | | <input type="checkbox"/> |
| | 2 | EP 0670543 | EPO | 09/06/1995 | IBM | | <input type="checkbox"/> |
| | 3 | JP 4062-2813A | JP | 07/1994 | IBM | | <input type="checkbox"/> |
| | 4 | WO97/50205 | PCT | 12/31/1997 | Intel | | <input type="checkbox"/> |
| | 5 | WO99/09480 | PCT | 02/1999 | Telebackup | | <input type="checkbox"/> |
| | 6 | WO99/38093 | PCT | 07/1999 | Wave Research | | <input type="checkbox"/> |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published | T ¹ |
|--------------------|----------|--|--------------------------|
| | 1 | Generic Diff Format Specification, Submitted to W3C 8/21/1997 http://www.w3.org/TR/NOTE-gdiff-19970901 | <input type="checkbox"/> |
| | 2 | ABD EL FATTAH, AHMED HEGAZY, "Searching Large Textual Files for Near Matching Patterns", Dissertation, School of Engineering and Applied Science, George Washington University, July 24, 1985 | <input type="checkbox"/> |
| | 3 | AHO et al. "Data Structures and Algorithms", 1983, Chapter 4, Addison-Wesley Publishing Company, Reading, MA, pp. 107-151. | <input type="checkbox"/> |
| | 4 | BAJAJ et al., "Progressive Image Transmission: An Adaptive Quadtree-Pruning Approach"; Department of Computer Sciences, Purdue University, West Lafayette, IN, 1997 IEEE | <input type="checkbox"/> |
| | 5 | BRODER, A.Z., "On the Resemblance and Containment of Documents", Digital Systems Research Center, Palo Alto, CA | <input type="checkbox"/> |
| | 6 | KABBAJ, ADIL, "Conceptual Lexicon" http://amine-platform.sourceforge.net/component/kernel/lexicons.htm , 11/29/2004. | <input type="checkbox"/> |
| | 7 | KARP, R.M. et al., "Efficient Randomized Pattern-Matching Algorithms" IBM Journal of Research and Development, Vol. 31 No. 2, March 1987, pp. 249-260. | <input type="checkbox"/> |
| | 8 | KORNBLUM, J. "Identifying Almost Identical Files Using Context Triggered Piecewise Hashing", Digital Investigation, Vol. 35 pp S91-S97, 2006. | <input type="checkbox"/> |

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| | | |
|----|--|--------------------------|
| 9 | MEMON, N.D. et al, "Asymmetric lossless image compression"; 1995 IEEE, pp 457. | <input type="checkbox"/> |
| 10 | MOGUL, JEFFREY C. et al., "Potential benefits of delta encoding and data compression for HTTP", Digital Equipment Corporation Western Research Laboratory, Palo Alto, CA | <input type="checkbox"/> |
| 11 | RABIN, M.O., "Fingerprinting by Random Polynomials", TR-15-81, Department of Computer Science, Harvard University, 1981 | <input type="checkbox"/> |
| 12 | RAJ, B., WHITTAKER, E.W.D., "Lossless compression of language model structure and word identifiers"2003. Proceedings. (ICASSP '03). 2003 IEEE pages I-388 - I-391 | <input type="checkbox"/> |
| 13 | RENU TEWARI Daniel M. Dian Rajat Mukherjee Harrick M Vin, "High Availability in Clustered Multimedia Servers". Proceedings of the 12th International Conference on Data Engineering, 1996. | <input type="checkbox"/> |
| 14 | SCHEIRER, W. et al. "Comparison of Three Sliding-Window Based Worm Signature Generation Schemes", CSE Dept, Lehigh University | <input type="checkbox"/> |
| 15 | SCHLEIMER, S. et al. "Winnowing: Local Algorithms for Document Fingerprinting", SIGMOD 2003, June 9-12, 2003, San Diego, CA. | <input type="checkbox"/> |
| 16 | SPRING, N.T. et al., "A Protocol-Independent Technique for Eliminating Redundant Network Traffic", Computer Science and Engineering, 352350, University of Washing, Seattle, WA | <input type="checkbox"/> |
| 17 | TRIDGELL, A. SpamSum Overview and Code samba.org/ftp/unpacked/junkcode/spamsum, 2002. | <input type="checkbox"/> |

OFFICE ACTION / NOTICE OF ALLOWANCE DOCUMENTS

| Examiner Initials* | Cite No. | Application Number | Mail Date | Document |
|--------------------|----------|--------------------|------------|---------------|
| | 1 | 10/998,458 | 05/07/2007 | Office Action |
| | 2 | 10/998,458 | 11/23/2007 | Office Action |
| | 3 | 10/998,458 | 06/20/2008 | Office Action |

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